

#6

PCT/IB99/00866

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S. KAWAI, et al



SEQUENCE LISTING

<110> Hoechst Marion Roussel

<120> Novel monomer protein with bone morphogenetic activity
and medicinal agent containing the same for preventing
and treating diseases of cartilage and bone.

<130> JH98K008 PCT SEQUENCES IN ENGLISH

<140>

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<150> 10-141379

<151> 1998-05-22

<160> 4

<170> PatentIn Ver. 2.1

<210> 1

<211> 357

<212> DNA

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<221> CDS

<222> (1)..(357)

<223> Relevant amino acid residues in SEQ ID NO 1 from 1
to 82 and from 84 to 119 in WO 95/04819.

Note : aminoacid residue 83 is alanine
instead of cysteine.

<300>

<301> HOTTEN, Gertrud

NEIDHARDT, Helge

PAULISTA, Michael

<302> New growth/differentiation factor of the TGF-beta
family.

<310> WO 95/04819

<311> 1995-02-10

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Arg Cys Ser Arg Lys Ala Leu His Val Asn Phe Lys Asp Met Gly Trp
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gac gac tgc acc aac gca ccc ctt agc tac gac att ttc aac tgc gac 144
Asp Asp Tyr Ile Ile Ala Ile Leu Phe Tyr Gln Ala Ile His Cys Gln
35 40 45

ggc ctg ttc ttc ttc ttc ttc ttc ttc ttc ttc ttc ttc ttc ttc ttc 192
Gly Leu Cys Gln Phe Pro Leu Arg Ser His Asp Ile Ile Thr Asn His
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55 60

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Ala Val Ile Gln Thr Leu Met Asn Ser Met Asp Pro Glu Ser Thr Pro
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ccc acc gcc tgt gtg ccc acg cga ctg agt ccc atc agc atc ctc ttc 288
Pro Thr Ala Cys Val Pro Thr Arg Leu Ser Pro Ile Ser Ile Leu Phe
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att gac tct gcc aac aac gtg gtg tat aag cag tat gag gac atg gtc 336
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Gly Leu Cys Glu Phe Pro Leu Arg Ser His Leu Glu Pro Thr Asn His
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Ala Val Ile Gln Thr Leu Met Asn Ser Met Asp Pro Glu Ser Thr Pro
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Pro Thr Ala Cys Val Pro Thr Arg Leu Ser Pro Ile Ser Ile Leu Phe
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